

Patent Application No.: 10/707,910

FAX

RECEIVED
CENTRAL FAX CENTER
MAR 24 2005

Tos: Charles E. Philips, USPTO, and Art Unit 3751
FAX: 571-273-8300
Phone: 703-308-1515
Pages: 5 ~~8~~ pages including cover page

From: Wilhelm A. Haberkorn

Signature:



Phone: 912-598-9649
FAX: 912-598-8668
Date: March 23, 2005
Rec: Patent Application No. 10/707,910

Requirements of MPEP 202.01 (a)(2)(I); I.e. Relationship amongst U.S. Patent No. 6,754,913, Patent Application No. 10/605,040 and Patent Application No. 10/707,910

Dear Mr. Phillips:

1. 10/605,040 and 10/707,910 are refinements of U.S Patent No. 6,754,913. The signed terminal disclaimer for U.S Patent No. 6,754,913 under 37 CFR 1.321(c) was submitted to overcome the obviousness-type double patenting issue for both applications.
2. U. S. Patent No. 6,754,913 represents the base for both subsequently submitted patent applications 10/605,040 and 10/707,910. The base aspects within said U. S. Patent 6,754,913 are:
 - a. A posterior part cleansing apparatus consisting of the following components:

- i. A submersible housing,
 - ii. A plurality of communicating fluid entry openings along its vertical axis,
 - iii. A cleaning fluid pump,
 - iv. A pressure release valve that interrupts the cleaning fluid flow after deactivation of said fluid pump,
 - v. A cleaning fluid heater,
 - vi. A power source that provides power to both said heater and pump,
 - vii. A means to control duration of pump activation,
 - viii. A cleaning nozzle mounted within the confines of any conventional toilet, and
 - ix. A cleaning nozzle creates a single defused stream of cleaning fluid to a specific projected cleaning space located within the confines of the toilet bowl.
- b. Process conditions governing the operation of the apparatus, where
 - i. A sanitary cleaning cycle is employed after every use wherein a disinfectant and deodorizer is deposited onto the exposed nozzle surfaces;
 - ii. A process employing the apparatus, where the cleaning fluid is provided to the projected cleaning space at a given rate, temperature and velocity;
 - iii. A process employing the apparatus, where the cleaning fluid is a mixture of water and various additives in various combinations; and
 - iv. A process employing the apparatus, where the various process conditions are controlled by a variety of means.
3. 10/605,040, filed on 09/03/03, represents an improvement over U.S Patent No. 6,754,913 in the following significant and unique aspects:
 - a. 10/605,040 discloses a posterior part cleansing apparatus consisting an encapsulating housing for configuring all required components in a most compacting fashion possible.

- i. Said housing is disclosed to contain anti-bacterial components in its material to improve sanitary conditions.
 - ii. Said encapsulating housing material provides in addition minimum thermal insulation properties to minimize heat losses.
 - iii. Said encapsulating housing is designed to be easily mountable to virtually any commercial toilet via two bolt seat mount.
 - iv. Piping of cleaning fluid is substantially reduced by utilizing a pressurized heating chamber residing within said encapsulating housing, resulting in more efficient cleaning fluid utilization and user comfort.
 - v. Operating reliability is improved through reduction of moveable components, i. e. elimination of pump.
- b. Cleaning nozzle cleanliness is improved by introducing a moveable nozzle assembly with resulting mechanical cleaning of exposed nozzle surfaces during those movements.
 - c. Cleaning nozzles are designed to become user specific and replaceable, resulting in more user specific sanitary conditions.
 - d. Posterior part cleansing process operating conditions are improved for the user by providing several easy exchange fluid additive cartridges in various combinations of various additives to achieve user specific cleaning fluids.
 - e. Addition of a second cleaning nozzle assembly within said encapsulating housing for the purpose of providing a separate bidet function.
 - f. Addition of a post cleansing fluid air drying function within said encapsulating housing under utilization of a plenum chamber air distribution system.
 - g. Incorporation of air freshener cartridge into air drying function to improve toilet air quality.
 - h. Incorporation of hand sprayer attachment into the overall design of the unit addressing apparatus cleaning issues.
 - i. Use of small portion of cleaning fluid and directing those fluids toward exposed surfaces during posterior part cleaning operation for the purpose for maintaining optimal hygiene conditions.

- j. Use of an apparatus cleaner cartridge for a post apparatus use cleaning cycle.
4. 10/707,910 filed on 01/23/04, represents an improvement over U.S Patent No. 6,754,913 in the following significant and unique aspects:
 - a. 10/707,910 utilizes the atmospheric cleaning fluid housing for applications where a consistent and sufficient water supply line pressure is not guaranteed. Such applications are recreational vehicles and boats where this is typically the case. This is particularly true for the low end of the commercial offering. The solution is thus an apparatus, which supplies its own pressure generation device.
 - b. 10/707,910 discloses a posterior part cleansing apparatus, similar to Patent Application No. 10/605,040, consisting an encapsulating housing for configuring all required components in a most compacting fashion possible.
 - i. Said housing is disclosed to contain anti-bacterial components in its material to improve sanitary conditions.
 - ii. Said encapsulating housing material provides in addition minimum thermal insulation properties to minimize heat losses.
 - iii. Said encapsulating housing is designed to be easily mountable to virtually any commercial toilet via two bolt seat mount.
 - iv. Piping of cleaning fluid is substantially reduced by utilizing a pressurized heating chamber residing within said encapsulating housing, resulting in more efficient cleaning fluid utilization and user comfort.
 - v. Operating reliability is improved through reduction of moveable components, i. e. elimination of pump.
 - c. Cleaning nozzle cleanliness is improved by introducing a moveable nozzle assembly with resulting mechanical cleaning of exposed nozzle surfaces during those movements.
 - d. Cleaning nozzles are designed to become user specific and replaceable, resulting in more user specific sanitary conditions.
 - e. Posterior part cleansing process operating conditions are improved for the user by providing several easy exchange fluid additive cartridges in various combinations of various additives to achieve user specific cleaning fluids.

- f. Addition of a second cleaning nozzle assembly within said encapsulating housing for the purpose of providing a separate bidet function.
- g. Addition of a post cleansing fluid air drying function within said encapsulating housing under utilization of a plenum chamber air distribution system.
- h. Incorporation of air freshener cartridge into air drying function to improve toilet air quality.
- i. Incorporation of hand sprayer attachment into the overall design of the unit addressing apparatus cleaning issues.
- j. Use of small portion of cleaning fluid and directing those fluids toward exposed surfaces during posterior part cleaning operation for the purpose for maintaining optimal hygiene conditions.
- k. Use of an apparatus cleaner cartridge for a post apparatus use cleaning cycle.

Kind regards,

W. A. Haberkorn